

Technical Datasheet

ZOLTEK™ OX Fabrics - Plain Weave

Oxidized/Stabilized PAN Fiber (OPAN)

DESCRIPTION

ZOLTEK OX plain weave fabrics are produced from 100% 2-ply ZOLTEK OX yarn. These fabrics have high LOI%, good strength, can be laminated and have excellent cut and sew properties. Recommended uses include industrial flame and thermal insulation.



MATERIAL OVERVIEW	PLAIN WEAVE - PW03		PLAIN WEAVE - PW06	
	SI	US	SI	US
Areal Weight	190 g/m ²	5.6 oz/yd ²	359 g/m ²	10.6 oz/yd ²
Warp and Fill	142 x 142/10 cm	36 x 36/in	94.5 x 94.5/10 cm	24 x 24/in
Width	99 cm	39 in	129.5 cm	51 in
Roll Length	90 m	98 yds	45 m	50 yds
Thickness	0.43 mm	0.017 in	0.73 mm	0.029 in
Yarn Input	2/27 Worsted Count		2/10 Worsted Count	
Construction	Plain Weave			

FIBER PROPERTIES		CHEMICAL COMPOSITION (%)		CHEMICAL RESISTANCE	
Density	1.36 g/cc min.	Carbon Content	62	Strong Acids	Good
Diameter	12.5 μ	Nitrogen	21.5	Weak Acids	Excellent
LOI	40%+	Oxygen	12	Strong Bases	Poor
Color	Black	Hydrogen	4.5	Weak Bases	Good
Resistivity	8x10 ⁸ ohms-cm	Sodium	< 0.1	Organic Solvents	Excellent
		Trace Metals	<0.01		

The properties listed in this datasheet do not constitute any warranty or guarantee of values. This information should only be used for the purposes of material selection. Please contact us for more details.

TYPICAL PACKAGING

ZOLTEK OX Plain Weave Fabrics are wound on cardboard tubes and sealed in plastic.

CERTIFICATION

ZOLTEK OX Plain Weave Fabrics are manufactured in accordance with ZOLTEK's written and published data. A Certificate of Conformance is provided with each shipment.

SAFETY

Obtain, read, and understand the Material Safety Data Sheet (SDS) before use of this or any other ZOLTEK product.

ZOLTEK™ OX

